

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 11344390  
PUBLICATION DATE : 14-12-99

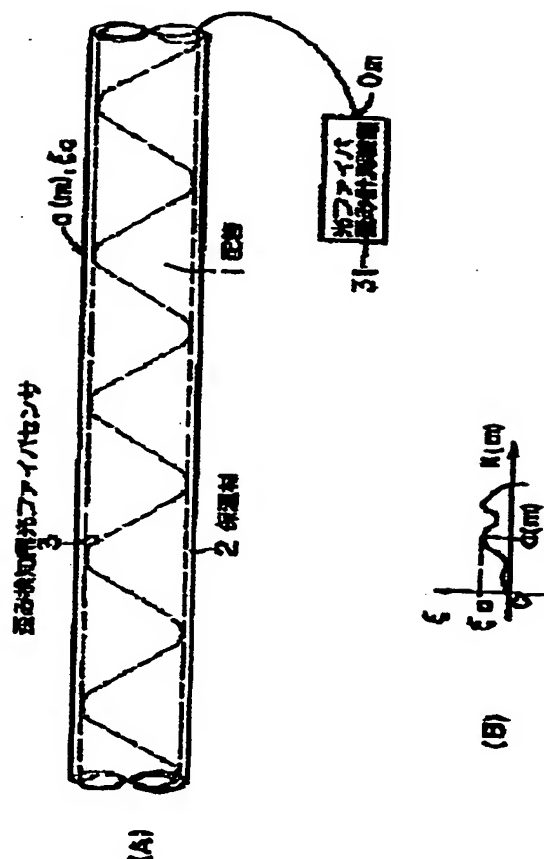
APPLICATION DATE : 03-06-98  
APPLICATION NUMBER : 10154189

APPLICANT : MITSUBISHI HEAVY IND LTD;

INVENTOR : TSUKANO MASAZUMI;

INT.CL : G01L 1/24 G01B 11/16

TITLE : DEVICE FOR DETECTING DAMAGED POSITION OF PIPE OR CONTAINER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a damaged position detecting device that can efficiently detect the damaged position of a pipe where a conventional method is not efficient.

SOLUTION: A device for detecting the damaged position of a pipe consists of an optical fiber sensor cable 3 for detecting distortion that is sealed spirally between a pipe 1 and a heat insulator 2 and an optical fiber distortion measuring device 31. The optical fiber distortion measuring device 31 measures the amount of growth of the optical fiber sensor cable 3 by inputting a signal from it and outputs a measurement result in the form of distance from the optical fiber distortion measuring device 31 and the amount of distortion of the optical fiber at each position, thus specifying the position of the pipe being distorted.

COPYRIGHT: (C)1999,JPO